

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
	)	
Roland de la METTRIE et al.	)	Parent Application:
	)	
Application No.: Not Yet Assigned	)	Group Art Unit: 1751
	)	
Filed: April 12, 2001	)	Examiner: D. Hamlin
	)	
For: OXIDISING COMPOSITION AND	)	
USES FOR DYEING, PERMANENTLY	)	
SETTING OR BLEACHING KERATIN	)	
FIBRES	)	

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to the examination of this application, please amend this application as follows:

**IN THE CLAIMS:**

Please cancel claims 1-25 without prejudice or disclaimer and add new claims 26-49 as follows:

26. A ready-to-use composition for the oxidation dyeing of keratin fibers comprising:

- (a) at least one enzyme chosen from 2-electron oxidoreductases,
- (b) at least one donor for said at least one enzyme,
- (c) at least one basic amino acid, and

(d) at least one oxidation base,  
in a support suitable for keratin fibers.

27. A ready-to-use composition according to claim 26, wherein said at least one oxidation base is selected from para-phenylenediamines, double bases, ortho-aminophenols, para-aminophenols, heterocyclic bases, and acid addition salts thereof.

28. A ready-to-use composition according to claim 26, wherein said at least one oxidation base is present in an amount ranging from 0.0005% to 12% by weight relative to the total weight of the ready-to-use composition.

29. A ready-to-use composition according to claim 27, wherein said acid addition salts are selected from hydrochlorides, hydrobromides, sulphates, tartrates, lactates, and acetates.

30. A ready-to-use composition according to claim 26, further comprising at least one coupler.

31. A ready-to-use composition according to claim 30, wherein said at least one coupler is selected from meta-phenylenediamines, meta-aminophenols, meta-diphenols, heterocyclic couplers, and acid addition salts thereof.

32. A ready-to-use composition according to claim 31, wherein said acid addition salts are selected from hydrochlorides, hydrobromides, sulphates, tartrates, lactates, and acetates.

33. A ready-to-use composition according to claim 30, wherein said at least one coupler is present in an amount ranging from 0.0001% to 10% by weight relative to

the total weight of the ready-to-use composition.

34. A ready-to-use composition according to claim 26, further comprising at least one direct dye.

35. A ready-to-use composition according to claim 26, wherein said support suitable for said keratin fibers is chosen from water and a mixture of water and at least one organic solvent.

36. A ready-to-use composition according to claim 35, wherein said at least one organic solvent is present an amount ranging from 1% to 40% by weight relative to the total weight of the ready-to-use composition.

37. A ready-to-use composition according to claim 36, wherein said at least one organic solvent is present an amount ranging from 5% to 30% by weight relative to the total weight of the ready-to-use composition.

38. A ready-to-use composition according to claim 26 having a pH ranging from 5 to 11.

39. A ready-to-use composition according to claim 38 having a pH ranging from 6.5 to 10.

40. A ready-to-use composition according to claim 26, further comprising at least one cosmetic adjuvant selected from anionic surfactants, cationic surfactants, nonionic surfactants, amphoteric surfactants, zwitterionic surfactants, anionic polymers, cationic polymers, nonionic polymers, amphoteric polymers, zwitterionic polymers, inorganic thickeners, organic thickeners, antioxidants, enzymes other than said

2-electron oxidoreductases, penetration agents, sequestering agents, fragrances, buffers, dispersing agents, conditioners, film-forming agents, preserving agents, and opacifiers.

41. A method for dyeing keratin fibers comprising applying a ready-to-use composition to said fibers for a time sufficient to achieve a desired coloration, wherein said ready-to-use composition comprises:

- (a) at least one enzyme chosen from 2-electron oxidoreductases;
- (b) at least one donor for said at least one enzyme;
- (c) at least one basic amino acid; and
- (d) at least one oxidation base,

in a support suitable for keratin fibers.

42. A method for dyeing keratin fibers comprising:

- (a) storing a first composition,
- (b) storing a second composition separate from the first composition,
- (c) and mixing the first composition with the second composition to form a mixture,
- (d) applying the mixture to the keratin fibers for a time sufficient to achieve a desired coloration,

wherein said first composition comprises at least one oxidation base in a support suitable for dyeing,

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wherein said second composition comprises at least one enzyme chosen from 2-electron oxidoreductases, at least one donor for said at least one enzyme, and at least one basic amino acid, in a support suitable for dyeing.

43. A method for dyeing keratin fibers according to claim 42, wherein said first composition further comprises at least one coupler.

44. A multi-compartment kit for dyeing keratin fibers comprising:

(a) a first compartment comprising a first composition, and

(b) a second compartment comprising a second composition,

wherein said first compartment comprises at least one oxidation base in a support suitable for dyeing,

wherein said second compartment comprises at least one enzyme chosen from 2-electron oxidoreductases, at least one donor for said at least one enzyme, and at least one basic amino acid, in a support suitable for dyeing.

45. A multi-compartment kit according to claim 44, wherein said first compartment further comprises at least one coupler.

46. A method for treating keratin fibers to obtain a permanent reshaping of said keratin fibers comprising:

(a) applying a reducing composition to said keratin fibers, wherein said fibers are placed under mechanical tension before, during, or after the application of said reducing composition, and

(b) applying an oxidizing composition to said keratin fibers, wherein said oxidizing composition comprises at least one enzyme chosen from 2-electron oxidoreductases, at least one donor for said at least one enzyme, and at least one basic amino acid, in a support suitable for keratin fibers.

47. A method for treating keratin fibers to obtain a permanent reshaping of said keratin fibers according to claim 46, further comprising rinsing said compositions from the keratin fibers.

48. A method for bleaching keratin fibers comprising:

(a) applying a ready-to-use composition to said fibers, wherein said ready-to-use composition comprises:

- (i) at least one enzyme chosen from 2-electron oxidoreductases
- (ii) at least one donor for said at least one enzyme,
- (iii) at least one basic amino acid, and
- (iv) at least one oxidation base,

in a support suitable for keratin fibers; and

(b) thereafter, rinsing said keratin fibers.

49. A method for bleaching keratin fibers according to claim 48, wherein said ready-to-use composition further comprises an auxiliary oxidizing composition.--

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**PATENT**

**Attorney Docket No.: 5725.0409-01000**

**REMARKS**

Claims 1-25 have been canceled and claims 26-49 have been added. It is submitted that support for these new claims can be found in the original specification and claims. Care has been taken so that no new matter has been added. Applicants now await an action on the merits. If the Examiner believes a telephone conference would be helpful in advancing the prosecution of this application, the Examiner is respectfully urged to contact Applicants' undersigned representative at (202) 408-4454.

Please grant any extensions and charge any additional required fees to our deposit account 06-0916 if necessary.

Respectfully submitted,

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By: Thalia V. Warnement  
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Dated: April 12, 2001

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